

CLAIMS

1. Sanding device for a sanding machine (1), comprising a carrier (3), a sanding element (9, 10; 12) and at least two coupling elements (8, 16) with which the sanding element (9, 10; 12) is coupled to the carrier (3), wherein a movable connection is provided between the sanding element (9, 10; 12) and the carrier (3), characterized in that the ends of the coupling elements (8; 16) coupled to the sanding element (9, 10; 12) can move relative to each other during sanding.

2. Sanding device as claimed in claim 1, characterized in that at least one of the coupling elements (16) is flexible.

3. Sanding device as claimed in claim 1 or 2, characterized in that at least one of the coupling elements (8) is hingedly connected to the carrier.

4. Sanding device as claimed in any of the claims 1-3, characterized by means for urging the coupling elements apart at least at the position of the sanding element (9, 10; 12).

5. Sanding device as claimed in any of the claims 1-4, characterized in that the sanding element (9, 10; 12) is connected to two coupling elements (8; 16), and that the connecting lines between the coupling elements (8; 16) on the one hand and the sanding element (9, 10; 12) on the other extend substantially parallel.

6. Sanding device as claimed in any of the claims 1-5, characterized in that the sanding element (9, 10) comprises a flexible supporting element (9) connected fixedly to the coupling elements for the purpose of supporting a sheet of sandpaper (10) for connecting thereto.

7. Sanding device as claimed in any of the claims 1-6, characterized in that the coupling elements (16) are connected to a base (14), and that the base (14) is releasably connected to the carrier (3).

8. Sanding device as claimed in claim 7, characterized in that the sanding element has the form of a closed sanding

belt (12) which extends around the combination of coupling elements (16) and base (14).

9. Sanding device for a sanding machine (1), comprising a carrier (3), a sanding element (9, 10; 12) and at least one coupling element (8, 16) with which the sanding element (9, 10; 12) is coupled to the carrier (3), characterized in that the coupling element (16) is connected to a base (14) and that the base (14) is connected releasably and rotatably to the carrier (3).

10. Sanding device as claimed in claim 9, characterized in that the sanding element (9, 10; 12) is coupled to the carrier (3) by at least two coupling elements (8, 16), wherein a movable connection is provided between the sanding element (9, 10; 12) and the carrier (3), and wherein the ends of the coupling elements (8; 16) coupled to the sanding element (9, 10; 12) can move relative to each other during sanding.

11. Sanding device as claimed in claim 9 or 10, characterized in that the base (14) can be released in at least one angular position of the carrier (3).

12. Sanding device as claimed in any of the claims 9-11, characterized in that the base (14) can be fixed in at least one discrete angular position relative to the carrier.

13. Sanding device as claimed in any of the claims 9-12, characterized in that a shaft (21; 33) is provided between the base (14) and the carrier (3), and that the base (14) is provided with a protruding part (26; 41) which can be engaged by an engaging element (18) forming part of the carrier.

14. Sanding device as claimed in claim 13, characterized in that the engaging element (18) extends in a circular arc.

15. Sanding device as claimed in claim 13 or 14, characterized in that the shaft is formed by a disc (33) and that a bearing (30) is arranged on the carrier (3) in order to retain the disc (33).

16. Sanding device as claimed in claim 15, characterized in that the disc (33) is only movable into the bearing (30) in a radial direction.

17. Sanding device as claimed in claim 15 or 16, characterized in that the base comprises a plate (32), of which the disc (33) forms part, wherein the plate (32) extends to a position under the engaging element (18) forming part of the carrier (3).

18. Sanding device as claimed in any of the claims 15-17, characterized in that on the base a tongue (35) is formed which is adapted to engage in recesses (31) arranged in the engaging element (18).

19. Sanding device as claimed in claim 18, characterized in that the tongue (35) is coupled to a spring for urging a protrusion (36) formed on the tongue (35) into the recesses (31).

20. Sanding device as claimed in claim 18, characterized in that the tongue (35) takes a resilient form for urging a protrusion (36) formed on the tongue (35) into the recesses (31).

21. Sanding device as claimed in claim 13 or 14, characterized in that a clamping element (20) is connected rotatably to the carrier (3), and that the base (14) can be locked with the clamping element (20).

22. Sanding device as claimed in claim 21, characterized in that the base (14) is provided with a first and a second nose (24, 26), wherein the first nose (24) can be placed into engagement with a U-shaped end part (22) forming part of the clamping element (20), and the second nose (26) can be enclosed between the engaging element (18) and the clamping element (20).

23. Sanding device as claimed in any of the claims 9-22, characterized in that the sanding device comprises at least one rigid sanding element which is provided with a base adapted for coupling to the carrier (3).

24. Sanding device as claimed in claim 23, characterized in that the sanding element has a concave, convex, folded contour or sharp point.

25. Sanding machine comprising a sanding sole (2) and a sanding device as claimed in any of the claims 1-24, characterized in that the carrier (3) of the sanding device is formed by the sanding sole (2) of the sanding machine.

26. Sanding machine comprising a sanding sole and a sanding device as claimed in any of the claims 1-24 for releasable connection to the sanding sole (2).